Conference Highlights

Data Collection and Mapping
- LiDAR effectiveness and use
- Use of drones to collect data
- Patrols and surveys
- New technologies

New Technologies and Program Management
- Fire risk management
- Vegetation management program optimization
- Communicating with the public
- New equipment and techniques

Herbicide Application Technology
- Thinvert application of herbicides
- Digital record keeping for herbicide use
- Responsible use of herbicides

Field Demonstration
- Demonstration of drones flying over a right-of-way
- Demonstration of thinvert herbicide application
- Demonstration of herbicide use tracking with electronic forms

Who Should Attend?
Vegetation Management Personnel from Electric Utilities
Professional Arborists & Contractors
Right-of-Way Vegetation Managers
Manufacturers & Equipment Vendors
Service Providers

VMTF at a Glance

The Vegetation Management Task Force (VMTF) focuses on issues of interest to staff at electrical utilities who are managing the vegetation programs. The emphasis of the group is on program development and management, such as justifying budgets, work planning, addressing regulatory issues, managing contractors and setting standards and guidelines for the work.

The group provides vegetation managers with a cost-effective vehicle for sharing experiences and addressing issues pertinent to their day-to-day operations, maintenance and planning. The primary benefit to program participation lies in the ability to tap into the wealth of experience and knowledge of other electrical utility participants so members can learn from the experiences and successes of others.

For more information, visit www.ceati.com/VM2016
7:30 – 8:00 Registration & Breakfast - Exhibition Hall

8:00 - 8:10 Welcome Address
Gwen Shrimpton, CEATI Intl.

Session 1: Data Collection & Mapping

8:10 – 8:50 Advancements in Network Mapping, Species Assessment, and Risk Tree Modeling for Utility Vegetation Management
Scott Nowicki & Eric Woodyard, Quantum Spatial

8:50 – 9:30 Demonstrate and Develop Commercial Beyond Visual Line of Sight Flights for Electric Companies
Tero Heinonen, Sharper Shape

9:30 – 10:00 Morning Break - Exhibition Hall

10:00 – 10:40 Leading the Way with Long-Range Unmanned Aerial Systems (UAS)
James S. Downie, ECI
Chris Vallier, FLoT Systems

10:40 – 11:20 The New Paradigm-Distribution LiDAR Hits the Mainstream
Nick Ferguson, NM Group
Randal Rhoads, Harris Corporation

11:20 – 11:40 Question & Answer Period
All Participants

11:40 - 1:00 Lunch - Bag Lunch in the Field

Session 2: Field Demonstration

1:00 – 5:00 Several industry leading UAS/UAV suppliers will conduct a drone demonstration over a right-of-way, companies include:

- Quantum Spatial & Aerial MOB
- Sharper Shape
- ECI & FLoT Systems
- Arizona Public Service
- NM Group & Harris Corporation

The afternoon will end with a field demonstration of APS thinvert application by Southwest Ground Control and herbicide tracking with GIS data and electronic forms by CWC chemical.

6:00 - Reception - Exhibition Hall
## DAY 2 • December 7, 2016

### Continuation of Session 1

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
<th>Speakers/Details</th>
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<tbody>
<tr>
<td>7:30 – 8:00</td>
<td>Breakfast</td>
<td>Exhibition Hall</td>
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### 8:00 - 8:30

- **The Age of the Unmanned Aerial System - Vegetation Patrol and Survey for FAC-003-3(4) Compliance in a Midwest Context**
  - Jason Grossman & Nick Ferguson
  - NM Group

- **NYPA Using LiDAR from a Foresters Perspective**
  - John Gwozdz, NYPA

### 9:00 - 9:10

#### Question & Answer Period

All Participants

### Session 3: New Technologies & Program Management

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<th>Speakers/Details</th>
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### 9:15 – 9:50

- **UVM Decision-Making Transformed Through Optimization Modeling**
  - Doug Jones, Remsoft

### 9:50 – 10:20 Morning Break

**- Exhibition Hall**

### 10:20 – 10:50

- **Back Yard Bucket Machine & Program to Reclaim 9 Circuits**
  - Beth Rettig, Avangrid

### 10:50 – 11:20

- **Risk of Fire on Arizona Public Service ROWs**
  - Wade Ward, APS

### 11:20 – 11:50

- **The Latest and Greatest in Gadgets for Utility Vegetation Managers**
  - Seth Reid, CN Utility Consulting

### 11:50 – 12:50 Lunch

**- Exhibition Hall**

### 12:50 – 1:20

- **Communications in the Modern World**
  - Mike Neal, ACRT

### 1:20 – 1:50

- **Vegetation Management: An Annual Assessment Approach**
  - Matthew Coleman, Fugro Roames

### 1:50 – 2:05

#### Question & Answer Period

All Participants

### Session 4: Herbicide Application Technology

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<th>Event</th>
<th>Location</th>
<th>Speakers/Details</th>
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<tr>
<td>2:05 – 2:10</td>
<td>Session Introduction</td>
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<td>Gwen Shrimpton, CEATI Intl.</td>
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### 2:10 – 2:45

- **Thinvert Application of Herbicides, Closed Chain of Custody & Conserving Water**
  - Ron Romero, South West Ground Control

### 2:45 – 3:15 Afternoon Break

**- Exhibition Hall**

### 3:15 – 3:55

- **Complete Herbicide Tracking Solution with GIS Data & Electronic Forms**
  - Jason Myers, CWC Chemical Inc.

### 3:55 – 4:30

- **Benefits of Digital Record Keeping for Herbicide Applications**
  - Joe Lentz, Asplundh Tree Expert

### 4:30 – 4:50

#### Question & Answer Period

All Participants

### 4:50 – 5:00

#### Concluding Remarks

Gwen Shrimpton, CEATI Intl.

**5:00 - Day 2 Conference Adjournment**

*Agenda subject to change without notice*
Registration Form

3rd Annual Vegetation Management Conference

December 6-7, 2016 - Scottsdale, AZ

You may also register online at www.ceati.com/VM2016

Your Information

Name
Title
Organization
Street Address
City, Province/State
Country
Postal/Zip Code
E-mail
Phone
Fax

Payment Options

- Visa
- Mastercard

Payment Options

Card No.
Expiry Date
Signature
Cardholder

Registration Fees & Discounts

Register by August 30, 2016 and save $50.

- $745 USD Standard Registration
- $575 USD CEATI Participant Registration
- $425 USD Speaker/ Academia Registration
- N/A VMTF Members*

* VMTF participating organizations receive 2 complimentary registrations. Please contact the Program Coordinator.

For Exhibitor options, please consult the exhibitor brochure.

Important Information

Registration fees include proceedings package, breakfast, breaks, lunches and reception where indicated on the schedule.

Please check if you wish to be contacted about allergies or other dietary requirements.

Prices are in USD. Charges will appear as ‘CEATI International Inc’ and are subject to applicable taxes and fees.

All cancellations received at least 30 days prior to event will be subject to a $200 processing fee. There will be no refunds granted after this date. Delegate substitution is permitted at no extra cost.

Please note that all names completing this form will be added to CEATI’s mailing list. If you do not wish to be included in this electronic outreach, please click the “unsubscribe” button in the email to remove yourself. By attending, you acknowledge that there may be photographs or videos taken of you during this event, and you consent to the use of these photographs or videos in future CEATI communications.

Completed registration forms can also be sent by email to events@ceati.com or by fax to (514) 904-5038

Location Information

Hilton Scottsdale Resort & Villas
6333 N Scottsdale Rd, Scottsdale, AZ 85250, USA
Phone: +1 490-948-7750

All conference guests are eligible for a discounted rate of $159 (USD) subject to availability. Mention “CEATI International VMTF” when reserving. Reservations must be made prior to October 4, 2016.